

Proton Driver Meeting Minutes  
Meeting Date: 11/23/05

Agenda: Discuss MI-10 interface region, connection to 8GeV encl., MI tunnel and Absorber area

Attendees:

Rod Walton, Bob Ducar, Dave Johnson, Dixon Bogert, Bob Webber, Jerry Liebfritz, Paul Lahn, Chuck F. Bill Foster, Mike May, Mike Andrews, Jim Kerby, John Santic

- Dave Johnson (DJ) working on interaction region, changes will be forthcoming, PD beam line is running into existing beam components.
- DJ looking at matching segments and the proper injection point.
- DJ concentrating on working from interaction region upstream 104 to 100
- Dixon mentioned that Debuncher Bldg. will more than likely be moving to a new location, before or after the "S" curve.
- DJ – Superconducting quads within lattice as shown in the design report may or may not work
- 8 GeV will be looked at to be kept intact with injection also into Recycler
- PD still planned to be built in same plane as MI
- DJ would like to review enclosure connection pt. to see if we could minimize shutdown time.
- Paul Lahn will add old enclosure merge area to dwgs for DJ's reference.
- Dixon pointed out the need for specific person(s) to be named in determining possible location for Debuncher Bldg.
- DJ looking at kicking out Absorber Dump line faster to minimize conflicts with existing encl.
- Main function of beam dump is to capture beam that hasn't been stripped.
- Size of dump still open for discussion as well as final location with respect to exist. encl. Compared talking about SNS dump within encl. not being large enough.
- Bill F. thought Beam Dump would not need as much cooling requirements as MI-40 dump uses.
- MI-10 Service Building, Bob Webber will look into amount of power supplies needed and amount of space that would be required to add on to MI 10 (towards road)
- Dixon and DJ – list of equipmt, magnets etc. to be removed through 100 – 104 region and needs to be addressed as to what stays or goes.
- Dixon – If Debuncher moves towards MI 10, make bldg. large enough to handle all add'l. requirements that MI 10 would need to avoid MI10 addition.
- Precast Tunnel sections – right now, Transport tunnel just drawn on 700m rad. with precast sections arrayed on arcs., Dixon expressed need to set up base slabs and precast layouts as done in MI to minimize number of different precast configurations. CF agreed

- Dixon – Suggested we revisit structural calcs. for capacity of MI tunnel encl. for possibly adding 3' of earth shielding based on higher intensities through the recycler.
- Dixon – Reminded everyone that time is of the essence and DJ will need help in resolving beam lattice in a finite amount of time to ready drawings and information to transfer to A&E.

Paul Lahn will work on adding back existing enclosure information to the interaction region drawings he has already started.